

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

LISTING OF CLAIMS:

Claims 1-15 (cancelled).

16. (New) An atomization system for a fuel, comprising:

a connecting tube capable of receiving a temperature-adjusted substance stream; and
at least one metering device configured to meter the fuel at at least one metering point into the connecting tube;

wherein, the connecting tube has at least one atomization point located downstream of the at least one metering point.

17. (New) The atomization system as recited in claim 16, wherein the system is for charging a chemical reformer for obtaining hydrogen.

18. (New) The atomization system as recited in claim 16, wherein the metering device is a low pressure fuel injector.

19. (New) The atomization system as recited in claim 18, wherein the low pressure fuel injector is positioned at an end face of the connecting tube.

20. (New) The atomization system as recited in claim 18, wherein the metering point is formed on the low pressure fuel injector.

21. (New) The atomization system as recited in claim 18, wherein the temperature-adjusted substance stream is fed between the metering point and the atomization point.

22. (New) The atomization system as recited in claim 18, wherein the temperature-adjusted substance stream is supplied via an additional tube.

23. (New) The atomization system as recited in claim 22, wherein the additional tube discharges into the connecting tube at an angle of approximately 90°.
24. (New) The atomization system as recited in claim 23, wherein the temperature-adjusted substance stream is supplied on a downstream side of the atomization point.
25. (New) The atomization system as recited in claim 24, wherein a mixture formed of the fuel and the substance stream is transmitted along an axis of connecting tube.
26. (New) The atomization system as recited in claim 26, wherein the mixture formed of the fuel and the substance stream is transmitted perpendicular to an axis of the connecting tube.
27. (New) The atomization system as recited in claim 16, wherein the at least one atomization point includes a plurality of atomization points.
28. (New) The atomization system as recited in claim 18, wherein the metering point and the atomization point are formed jointly on the low pressure fuel injector.
29. (New) The atomization system as recited in claim 18, wherein the low pressure fuel injector is inclined at a specified angle with respect to an axis of the tube and of the connecting tube.
30. (New) The atomization system as recited in claim 16, wherein the atomization point includes an atomization device in the form of one of a swirl disk, a spray orifice disk, a swirl insert or a swirl nozzle having at least one orifice.
31. (New) The atomization system as recited in claim 27, wherein the atomization points are at least in part located in rounded corners of an end face of the connecting tube.